marantz®

Network Player

AV8003

NETWORK

User Guide

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ABOUT THIS USER GUIDE

This unit is equipped with a network player for playing music, photo and video files.
You can connect the unit's network connector to a network device and play music, photo or video files that are stored on the device.
This User Guide describes the settings and procedures that are required to use these functions.

NETWORK PLAYER FEATURES

The unit has the following functions.
- Playback of music, photo or video files that are stored on a device connected to the network
- Supports Windows Media DRM
- Supports DTCP-IP

SETTING PROCEDURE FOR USING THE NETWORK PLAYER

1. Connecting the unit to the network (See page 2)
2. Setting up the network (See page 3)
   If there is no DHCP server on the network to which the unit is connected, the network settings must be performed manually.
3. Authenticating the unit on the server side. (See page 6)
   It may be necessary to authenticate the unit on each server.
4. Operating the unit; playback. (See page 8)

CONNECTION

BEFORE CONNECTING

Prepare the following equipment before performing the connection.

● LAN cable
This cable connects the unit's network connector to a network device such as a computer.

Notes:

- The unit's network connector supports 10BASE-T/100BASE-TX. Use a 100BASE-TX connection to ensure smooth playback.
- Use a straight LAN cable that is category 5 or higher.

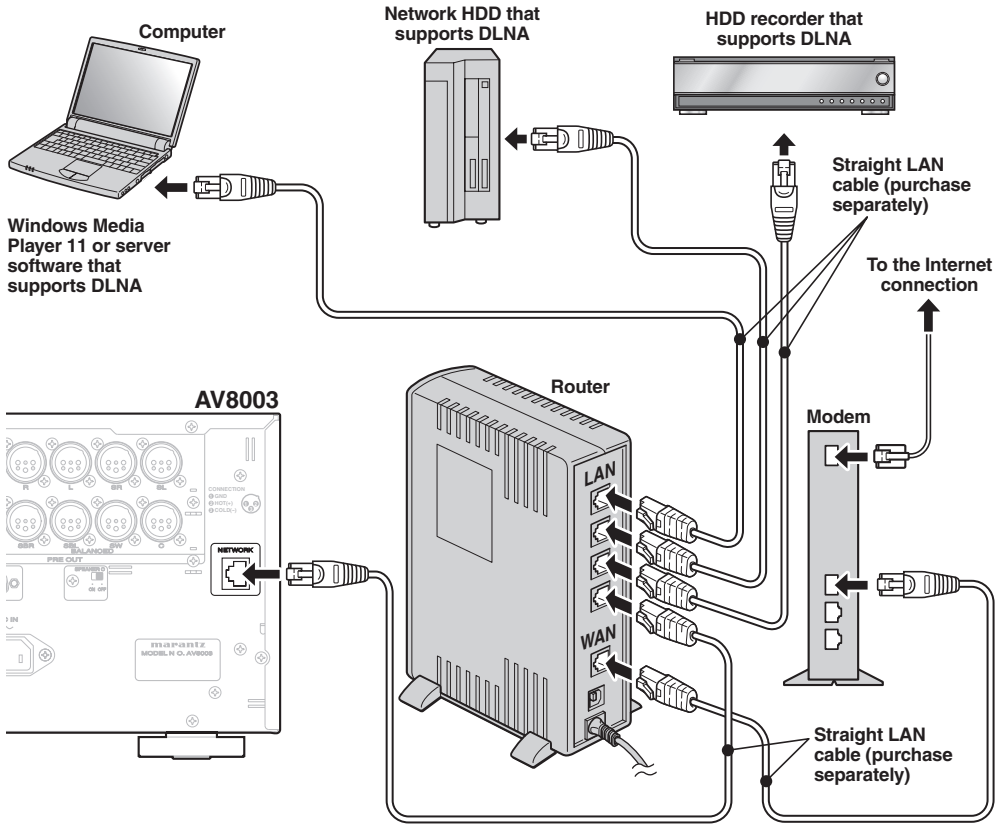
● Router, Hub
These devices are for connecting multiple devices on a single network.
If a router has a DHCP server function, the unit's network settings are set automatically.

● Server (in this User Guide, the following devices are referred to as a "server")
- Hard disk with a built-in DLNA server function (LAN connection type)
- HDD recorder or audio system that supports DLNA
- A computer can be used when either of the following server software programs is installed.
  – Windows Media Player 11
  – Server software that supports DLNA

● Internet
- Required when using the unit's network connection to perform a system update.

CONNECTING THE UNIT AND SERVER TO THE NETWORK

As shown below, connect the unit and a server such as a computer or hard disk to the LAN connector of a router or modem.



Note:

If there are not enough LAN connectors, add a hub (purchase separately) to the router.

BASIC SETTINGS

Network settings may be required when performing the connection, depending on the connection type as described below.

- **If there is a router (DHCP server) on the network**
  The network address settings are performed automatically.

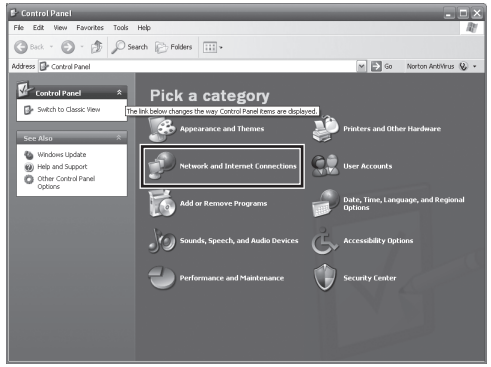
- **If there is no router (DHCP server) on the network**
  The network address settings must be performed manually.

Check your network and perform the settings if required.
To confirm your network type, check the network address.

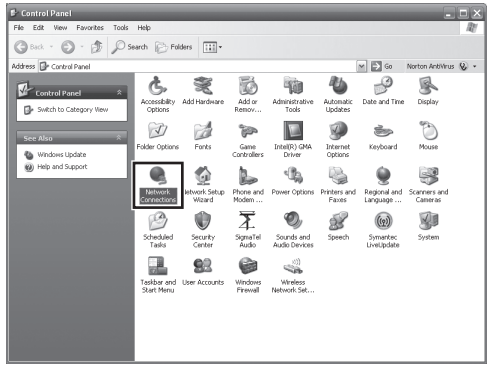
CHECKING THE NETWORK ADDRESS

Example: Windows XP

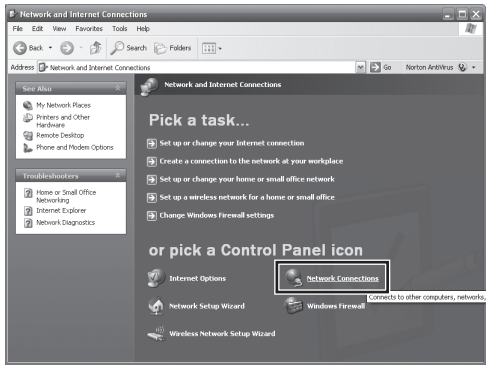
1. Select “Control Panel” on the Start menu and click “Network and Internet Connections” on the menu.



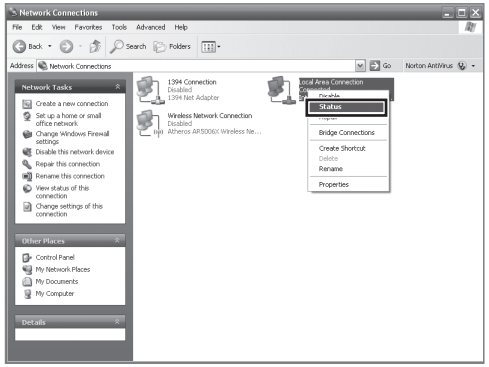
When using Classic View, click “Network Connections” and go to step ***3***.



2. Click “Network Connections” on the menu.

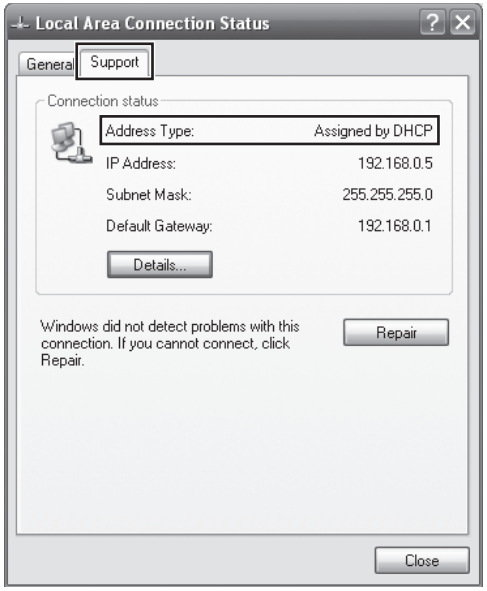


3. Right-click “Local Area Connection” and select “Status” on the pull-down menu.



4. Click the “Support” tab.

5. Check the “Address Type” item.



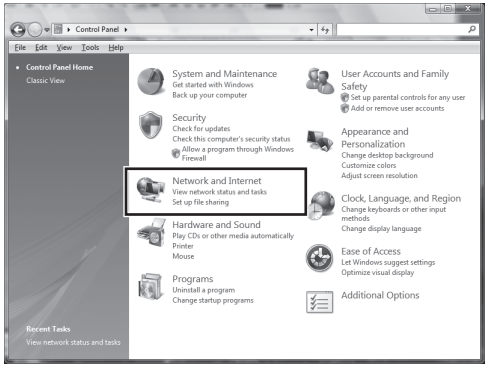
Assigned by DHCP:
A DHCP server is running on the network. The network address settings for the unit are performed automatically.
You do not need to perform connection settings because the default setting is for automatically obtaining the address.

Manually Configured:
You must set the network address manually because there is no DHCP server on the network. Start the network player and perform the network address settings.

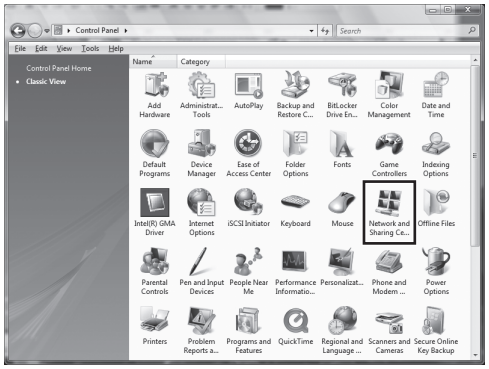
Example: Windows Vista

1. Select “Control Panel” on the Start menu.

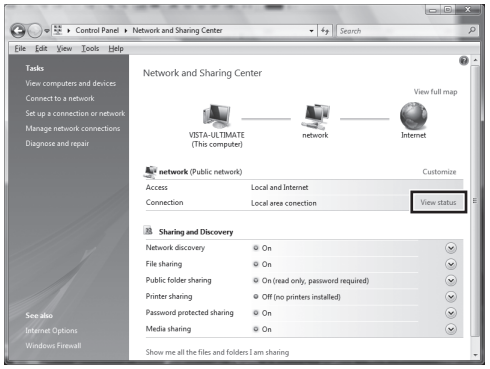
When using the Control Panel Home view, click “View network status and tasks”.



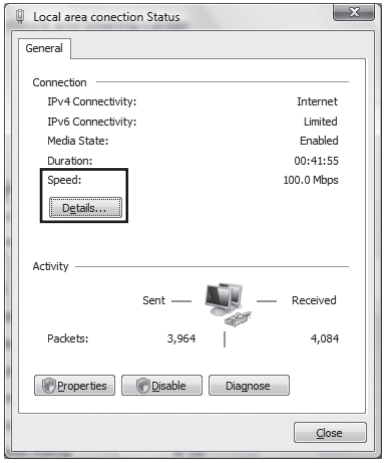
When using Classic View, the following window is displayed. Double-click “Network and Sharing Center”.



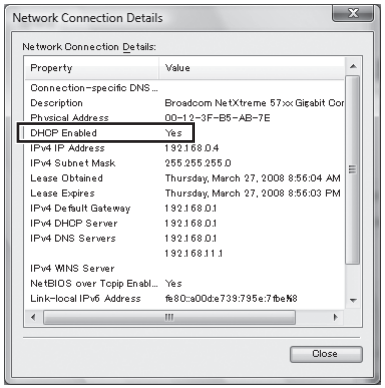
2. Click “View status”.



3. Click “Details”.



4. Check the “DHCP Enabled” item.



Yes:

A DHCP server is running on the network. The network address settings for the unit are performed automatically.

You do not need to perform connection settings for the unit because the default setting is for automatically obtaining the address.

No:

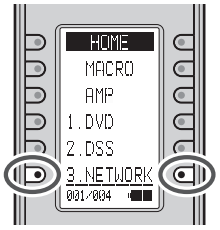
You must set the network address manually because there is no DHCP server on the network.

Start the network player and perform the network address settings.

STARTING THE NETWORK PLAYER

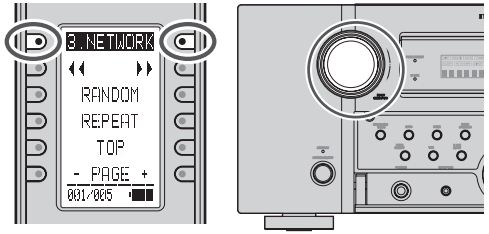
1. Turn on the unit.

2. After pressing the **HOME** button on the remote controllerler, press the **3. NETWORK** button.



The remote controller enters NETWORK operation mode.

3. Set the unit's input mode to NETWORK. To select NETWORK mode, turn the input selector on the unit or press the **3. NETWORK** button on the remote controller.



4. The startup screen is displayed.

<Monitor>

<Unit Display>

It takes the network player about 30 seconds to start after turning on the unit.

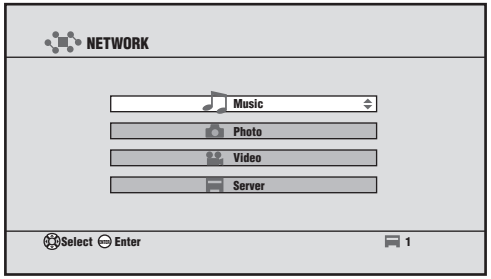
After start-up is completed, the top menu of the network player is displayed.

Note:

The screen resolution at start-up is 480i/576i.

NETWORK ADDRESS SETTINGS

1. Start the network player.

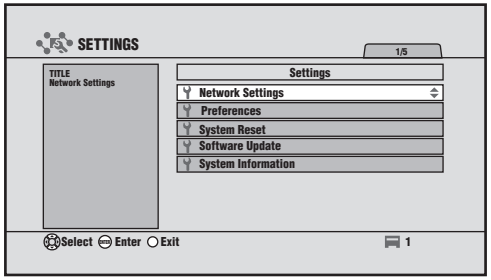


2. Set the remote controllerler to NETWORK mode.

3. Press the < and > buttons on the remote controllerler to move the remote controllerler window to 005/005, and press the **SETTINGS** button.

4. The SETTINGS window is displayed.

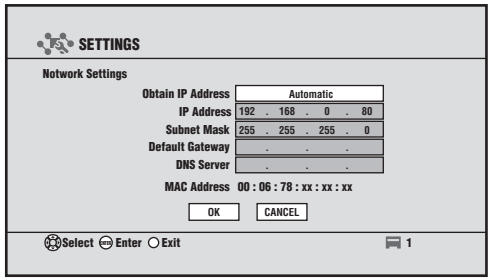
Select Network Settings with the cursor and press the **ENTER** button.



5. The Network Settings screen is displayed.

The figures displayed in this screen are the settings for the current network address.

We recommend that you make a copy of these settings, because they may be required when authenticating the unit from the server.



● Obtain IP Address :
The default setting is Automatic.
To change the setting, press the **ENTER** button to enable setting selections. Press the ▲ / ▼ buttons to select an item and confirm by pressing the **ENTER** button.

- Automatic :

  The address is obtained automatically from the DHCP server.

  If there is no DHCP server, the address is assigned using Auto-IP.

  If the address has been obtained automatically, select “OK” to complete the setting.

  Press the **GUIDE** button on the remote controller to return to the top menu.

- Manual :

  For manual input, see “Manual Setting”.

MANUAL SETTING

If you selected Manual, input is possible for the following items.

Note:

Knowledge about the network is required for manual input. See the user guide for your router or modem.

● IP Address:
Set the IP address. For manual input, enter an IP address that is based on another device connected to the same network.
Example:
IP address of another device: 192. 168. 1. 2
IP address of the unit: 192. 168. 1. xxx
Use a number for xxx that does not duplicate another device.

● Subnet Mask :
Set the subnet mask address. Enter the same number as the subnet mask of another network device, such as a router or computer.
Example: 255. 255. 255. 0

● Default Gateway :
Set the gateway address. If a router is used, this is usually the IP address of the router.
Example: 192. 168. 1. 1

● DNS Server :
Set the DNS server address. This is the address that is specified by the provider, or the IP address of the router.
Example: 192. 168. 1. 1

● MAC Address :
This is the MAC address of the unit. This number cannot be changed.

Note:

Playback is possible even if the gateway and DNS are left blank, but value inputs are required to perform network updates.

1. Select the item that you want to set with the ▲ / ▼ buttons and press the **ENTER** button.

2. Select the position for entering the number with the ◄ / ► buttons, and enter the number using the number keys.

If a number does not have three digits, move to the next value using the ◄ / ► buttons.

Press **EXIT** to return the entered number to its original value.

Note:

Enter a number from 0 to 255.

If 256 or a higher number is entered, a warning is displayed

3. After finishing the setting input, press the **ENTER** button and select the next item using the ▲ / ▼ buttons.

4. Repeat steps ***2*** and ***3***, and after finishing all the inputs, select “OK” using the ▼ button and press the **ENTER** button.

5. The settings completed dialog box is displayed. Press the **ENTER** button to restart.

Notes:

- If the **EXIT** button is pressed or “CANCEL” is selected with the ▼ button partway through the setting procedure, the screen returns to the SETTINGS screen and the entered settings are canceled.
- The unit cannot be set to standby while it is restarting.

  Do not turn the power of this unit off while it is restarting.

AUTHENTICATING THE UNIT FROM THE SERVER

With some server types, the unit must be authenticated on the server. If authentication is not performed, it will either not be possible to obtain files even if the unit is connected to the server, or a warning will be displayed and access will not be possible.
Information such as the IP address of the unit, the MAC address and the unit device name (marantz DMP) is required for authentication.
See the server user guide for details on the authentication method.
As a reference, this section describes the procedure for authentication from Windows Media Player 11 on a computer.

Notes:

- If your computer's operating system is Windows XP SP2, you can download Windows Media Player 11 from Microsoft Corporation's website.
- If you are using Windows Vista, it is already installed.

1. Start Windows Media Player 11.

If you have already completed the settings for the files that you want to share, go to step ***7***.

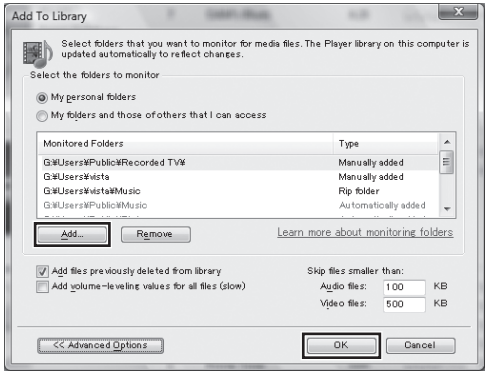
2. Set sharing for the files that you want to play with the unit.

Select “Add to Library” from Library on the menu bar.

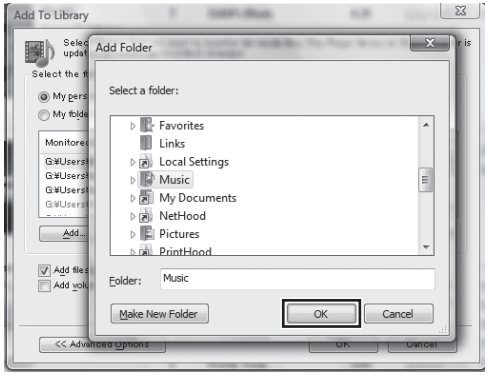
3. A list of the folders that are currently being shared is displayed.

If the following window is displayed, click “Advanced Options”.

4. Select the folder that you want to share and click “OK”.
If you want to share another folder, click “Add”. The folder selection dialog box is displayed.

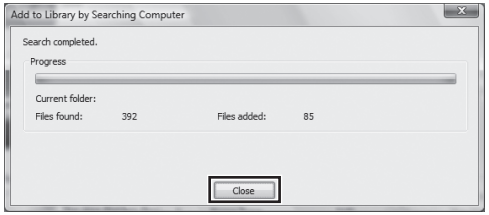


5. After finishing the file sharing operations, click “OK” to complete the settings.



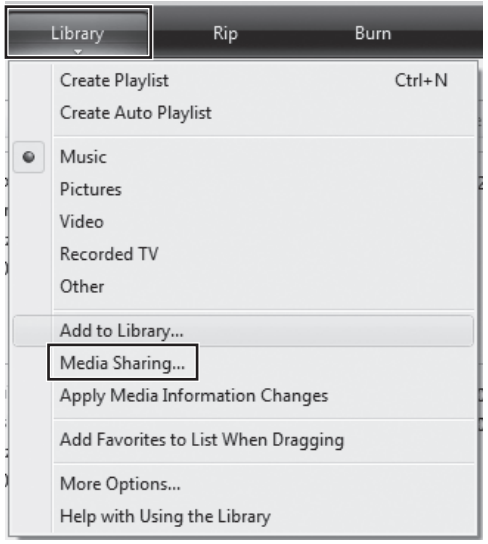
6. A list of the shared files is created.

After the list is created, click “Close”.



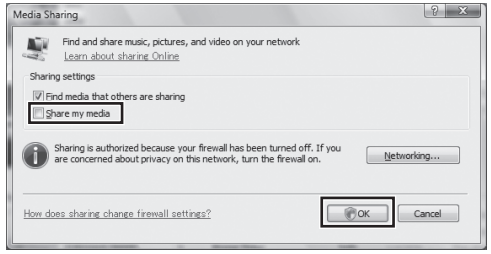
7. Next, perform the setting for authenticating the unit from Windows Media Player 11.

Select “Media Sharing” from Library on the menu bar.



If Windows Media Player is already set for sharing with a different device, go to step ***9***.

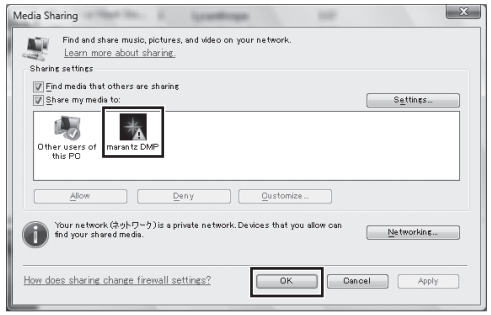
8. Select “Share my media” and click “OK”.



9. The window below is displayed.

If the network settings are completed and the unit is connected to the network, “marantz DMP” is displayed in the device list.

Select “marantz DMP” and click “Allow”.

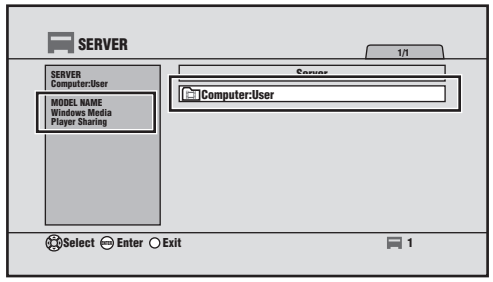


10. Click “OK” to close the window and complete the authentication of the unit from the Windows Media Player.

11. Next, check from the unit that it is registered in Windows Media Player 11.

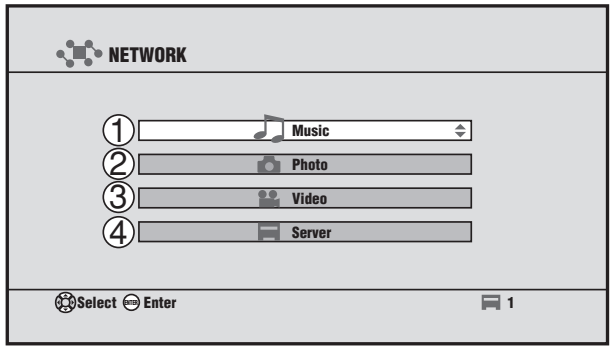
Check that the unit is in NETWORK mode, and press the **SERVER** button on the remote controller.

12. Check that the computer name (name of the computer that performed the settings) and user name (name of the logged-in user) are displayed on the screen list. This means that authentication is complete.



SCREEN MENUS

TOP MENU



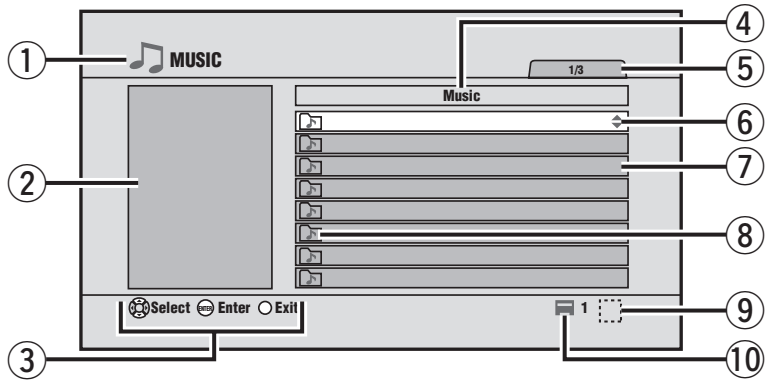
①**Music**
Play music from all the connected servers. (See page 9)

②**Photo**
Display photos from all the connected servers. (See page 11)

③**Video**
Play videos from all the connected servers. (See page 13)

④**Server**
Play files from a specified server. This can also be used if you want to check which servers are currently connected. (See page 15)

ITEM MENU



①**Mode that is currently displayed**
②**Information display panel**
③**Main button operation guidance**
④**Category display**
⑤**List number of the selected file/Total number of files in the list**
⑥**Directions in which the cursor can be moved**
⑦**File list**
⑧**File and category type**
⑨**Icons of currently executing processes**
⑩**Number of servers currently recognized by the unit**

ICONS

The icons displayed on the screen are as follows.

	MUSIC (Music) category		VIDEO (Video) file
	MUSIC (Music) file		Other category
	PHOTO (Photo) category		Other file
	PHOTO (Photo)file		Server
	VIDEO (Video) category		

- The category specifies information such as the folder, album or genre.
- Press the **PLAY**, **REPEAT** or **RANDOM** button under a music, photo or video hierarchy to play all the files in that category.

BASIC OPERATIONS

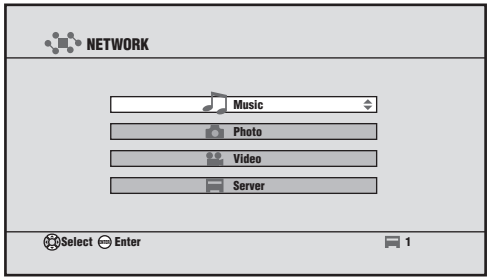
NETWORK PLAYER BASIC OPERATIONS

MENU STRUCTURE

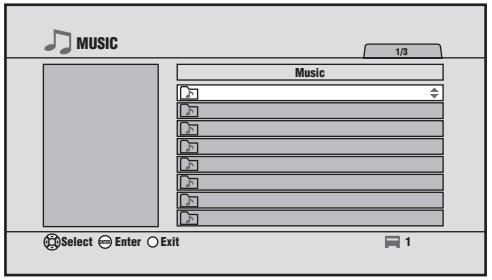
- **NETWORK (GUIDE, TOP)**
  - **Music (MUSIC)**
    - **Music - Artists (M ARTIST)**
    - **Music - Albums (M ALBUM)**
    - **Music - Genres (M GENRE)**
    - **Music - All Songs (MUSIC ALL)**
    - **Music - Playlists (M P-LIST)**
  - **Photo (When PHOTO is set to Category)**
    - **Photo - Albums (P ALBUM)**
    - **Photo - All Photos (PHOTO ALL)**
    - **Photo - Playlists (P P-LIST)**
  - **Photo Date (All server) (When PHOTO is set to Date (All Servers))**
  - **Photo Date (Selected Server) (When PHOTO is set to Date (Selected Server))**
  - **Video (VIDEO)**
    - **Video - Albums (V ALBUM)**
    - **Video - Genres (V GENRE)**
    - **Video - All Videos (VIDEO ALL)**
    - **Video - Playlists (V P-LIST)**
  - **Server (SERVER)**
  - **Settings (SETTINGS)**

( ) The text in parenthesis is displayed on the remote controller.

1. Select the item that you want to play on the top menu using the ▲ / ▼ buttons and press the **ENTER** button.



2. The menu for the corresponding item is displayed.



Note:

With some server specifications, the file list may not be displayed for items other than Server menu.

3. Play the file.

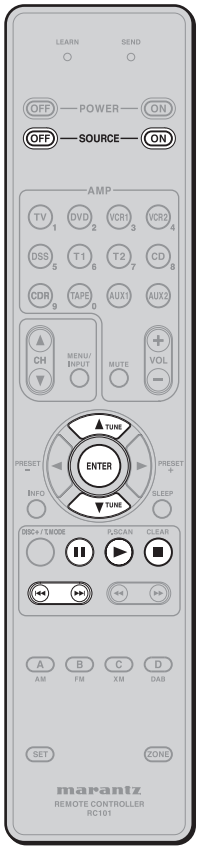
- Select the file that you want to play from the file list and press the **ENTER** or **PLAY** button to play.
- Select a category from the file list and press the **PLAY** button to play all the files in the category.
- To change the page if there is more than one file list page, press the ▲ button on the top of the file list or the ▼ button on the bottom of the file list, or press the **Ch +/–** buttons.
- Press the **EXIT** button to return to the previous screen.
- To see the photo thumbnail list, press the ▲ / ▼ / ◄ / ► buttons.

PLAYING MUSIC

RC2001

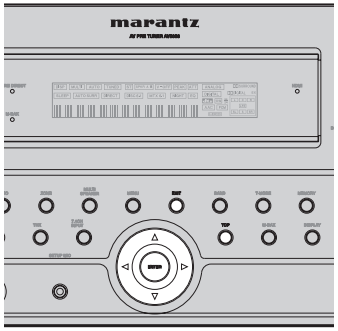
Button	Music Playback
▲, ▼ (Remote controller, unit)	Move between items
ENTER (Remote controller, unit)	Play the track selected with the cursor
GUIDE TOP (Unit)	Move to the top menu
EXIT (Remote controller, unit)	Stop
CH±	(+) Next page (–) Previous page
MENU	TOOL menu
▶ (PLAY)	Play
⏮ / ⏭	(⏭) Play the next track (⏮) Play the previous track (if one second or more has elapsed from the start of the track, play from the start of the same track)
■ (STOP)	Stop
❚❚ (PAUSE)	Pause/cancel
(Blue) MUSIC	Move to top of MUSIC page
(Red) PHOTO	Move to the set PHOTO screen
(Green) VIDEO	Move to top of VIDEO page
(Yellow) SERVER	Move to top of SERVER page

RC101

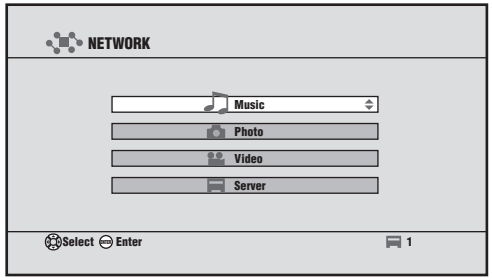


Button	Music Playback
▲, ▼ (Remote controller, unit)	Move between items
ENTER (Remote controller, unit)	Play the track selected with the cursor
SOURCE OFF	Stop
SOURCE ON	Change the Screen resolution
▶ (PLAY)	Play
⏮ / ⏭	(⏭) Play the next track (⏮) Play the previous track (if one second or more has elapsed from the start of the track, play from the start of the same track)
■ (STOP)	Stop
❚❚ (PAUSE)	Pause/cancel

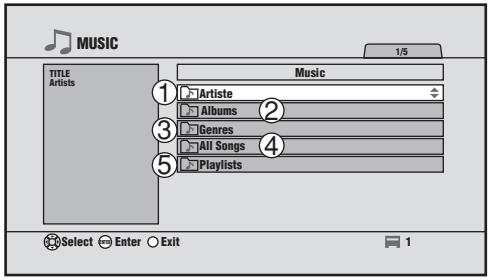
AV8003



Select Music on the top menu using the cursor and press the **ENTER** button, or press the blue (**MUSIC**) button on any screen.



The music top menu is displayed.



①**Artists :**
Sort the music files by artist.

②**Albums :**
Sort the music files by album.

③**Genres :**
Sort the music files by genre.

④**All songs :**
Display all the music files.

⑤**Playlists :**
Display the music playlists. (See page 20)

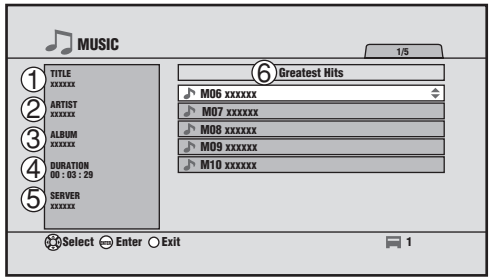
You can also sort in more detail by narrowing the conditions within each category.

Example: Artists → Albums → Tracks

Note:

Sorting by specifying categories may not be possible when connected to some server types. In such cases, select the server directly and connect. (See page 15)

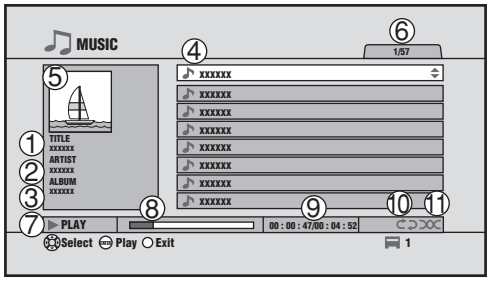
When the sorting is completed, the file list is displayed.



①**Track title**
②**Artist name**
③**Album name**
④**Track length**
⑤**Server on which the file is saved**
⑥**Sort item**

Select the file that you want to play and press the **ENTER** or **PLAY** button to play.

MUSIC PLAYBACK



①**Title of the track that is playing**
②**Artist for the track that is playing**
③**Album name**
④**List of the playback tracks**
⑤**Album jacket photo**
⑥**Selected track number/Total number of tracks**
⑦**Playback status**
⑧**Progress bar**
⑨**Elapsed time/Total time**
⑩**Repeat status display**
⑪**Random status display**

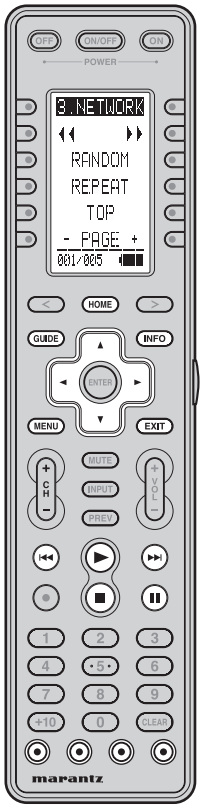
- The music is played in the file list sequence.
- If you want to play a different track during playback, move the cursor to the track and press the **ENTER** button.
- If you want to stop playback, press the **STOP** or **EXIT** button to stop the playback and return to the previous screen.
- During random playback, the tracks in the file list are played in a random sequence.

Note:

With some file configurations, a photo that is not related to the track may be displayed.

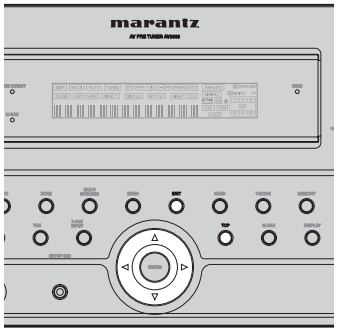
DISPLAYING PHOTOS

RC2001

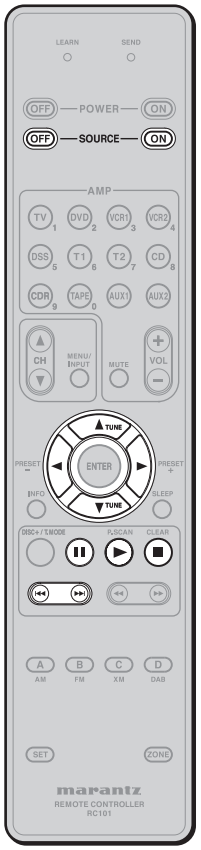


Button	Photo Display
▲, ▼ (Remote controller, unit)	(▲) Display the previous photo (▼) Display the next photo
◀, ▶ (Remote controller, unit)	(◀) Display the previous photo (▶) Display the next photo
GUIDE TOP (Unit)	Move to the top menu
EXIT (Remote controller, unit)	Stop
MENU	TOOL menu
INFO	Select the panel display
▶ (PLAY)	Start the slideshow
⏮ / ⏭	(⏭) Display the next photo (⏮) Display the previous photo
■ (STOP)	Stop
❚❚ (PAUSE)	Pause the slideshow
(Blue) MUSIC	Move to top of MUSIC page
(Red) PHOTO	Move to the set PHOTO screen
(Green) VIDEO	Move to top of VIDEO page
(Yellow) SERVER	Move to top of SERVER page

AV8003

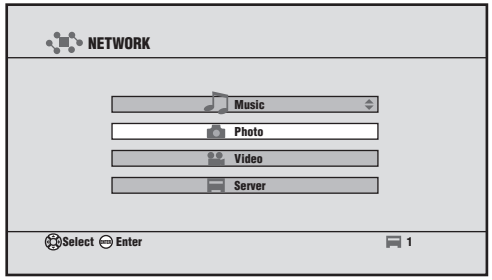


RC101

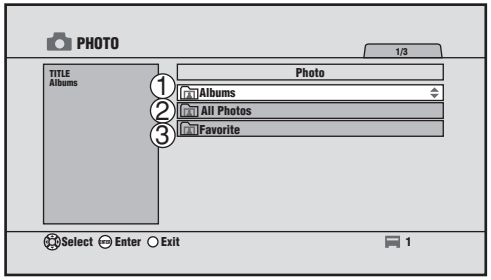


Button	Photo Display
▲, ▼ (Remote controller, unit)	(▲) Display the previous photo (▼) Display the next photo
◀, ▶ (Remote controller, unit)	(◀) Display the previous photo (▶) Display the next photo
SOURCE OFF	Stop
SOURCE ON	Change the screen resolution
▶ (PLAY)	Start the slideshow
⏮ / ⏭	(⏭) Display the next photo (⏮) Display the previous photo
■ (STOP)	Stop
❚❚ (PAUSE)	Pause the slideshow

Select Photo on the top menu with the cursor and press the **ENTER** button, or press the red (**PHOTO**) button on any screen.
(When the red (**PHOTO**) button setting is Category (see page 18))



The photo top menu is displayed.

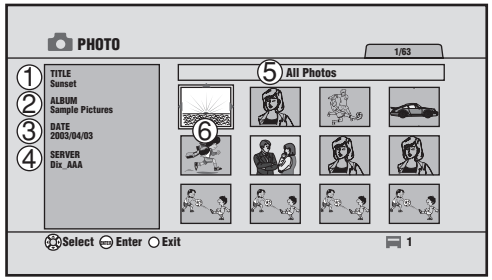


①**Albums :**
Sort the photo files by album.

②**All Photos :**
Display all the photo files.

③**Playlists :**
Display the photo playlists. (See page 20)

When the sorting is completed, the photo thumbnail list is displayed.

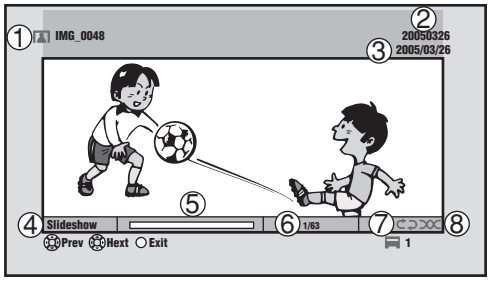


①**Photo title**
②**Album name**
③**Date of shooting or creation**
④**Server on which the file is saved**
⑤**Sort item**
⑥**Photo thumbnails**

Select the photo that you want to display and press the **ENTER** or **PLAY** button.

- Press the **ENTER** button to display the selected photo.
- Press the **PLAY** button to start the slideshow from the selected photo.

PHOTO DISPLAY



①**Title**
②**Album name**
③**Date display**
④**Status display**
⑤**Progress bar**
⑥**Photo number/Total number of photos**
⑦**Repeat status display**
⑧**Random status display**

- Select the photo that you want to display, and press the **ENTER** button to display the selected photo.
- Press the ▼, ▶ or ⏭ button to go to the next photo.
- Press the ▲, ◀ or ⏮ button to go to the previous photo.
- Select the photo that you want to display, and press the **PLAY** button to start the slideshow from the selected photo.
- If you want to stop the slideshow, press the **STOP** button or **EXIT** button to stop the playback and return to the previous screen.
- The display changes as follows each time the **INFO** button is pressed.

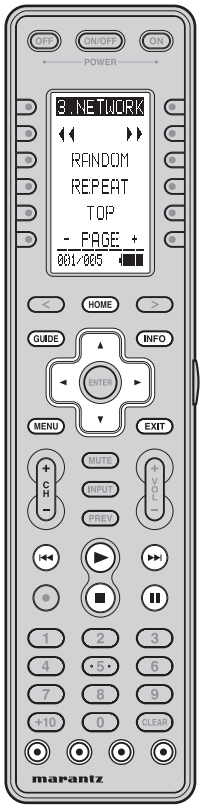
No panel display → ***Player panel display***
Information panel display ←

Note:

If you skip to the previous or next photo during the slideshow playback, the slideshow pauses.

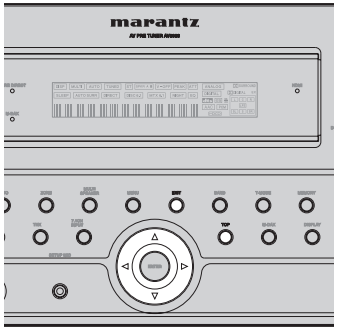
PLAYING VIDEO

RC2001

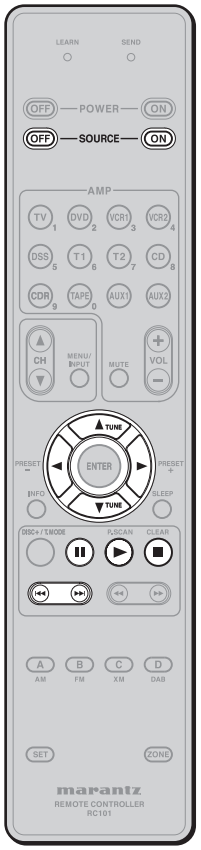


Button	Video Playback
▲, ▼ (Remote controller, unit)	(▲) Skip back 15 seconds (▼) Skip forward 15 seconds
◀, ▶ (Remote controller, unit)	Change slow speed during slow playback
GUIDE TOP (Unit)	Move to top menu
EXIT (Remote controller, unit)	Stop
MENU	TOOL menu
INFO	Select panel display
▶ (PLAY)	Play
⏮ / ⏭	(⏭) During continuous playback, play next video (⏮) During continuous playback, play the previous video (if one second or more has elapsed from the start of the video or only one video is selected, play from the start of the same video)
■ (STOP)	Stop
❚❚ (PAUSE)	Pause/cancel
(Blue) MUSIC	Move to top of MUSIC page
(Red) PHOTO	Move to the set PHOTO screen
(Green) VIDEO	Move to top of VIDEO page
(Yellow) SERVER	Move to top of SERVER page

AV8003

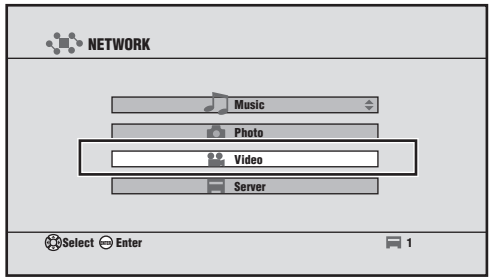


RC101

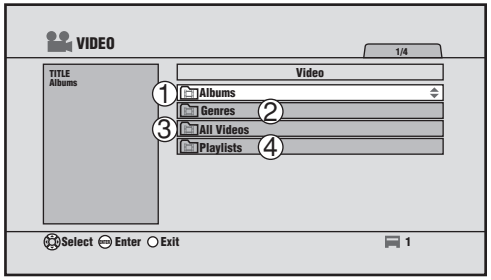


Button	Video Playback
▲, ▼ (Remote controller, unit)	(▲) Skip back 15 seconds (▼) Skip forward 15 seconds
◀, ▶ (Remote controller, unit)	Change slow speed during slow playback
SOURCE OFF	Stop
SOURCE ON	Change screen resolution
▶ (PLAY)	Play
⏮ / ⏭	(⏭) During continuous playback, play next video (⏮) During continuous playback, play the previous video (if one second or more has elapsed from the start of the video or only one video is selected, play from the start of the same video)
■ (STOP)	Stop
❚❚ (PAUSE)	Pause/cancel

Select Video on the top menu with the cursor and press the **ENTER** button, or press the green (**VIDEO**) button on any screen.



The video top menu is displayed.



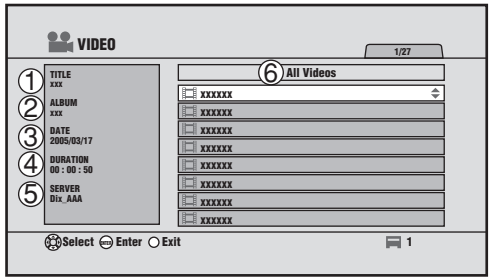
①**Albums :**
Sort the video files by album.

②**Genres :**
Sort the video files by genre.

③**All Videos :**
Display all the video files.

④**Playlists :**
Display the video playlists. (See page 20)

After the sorting by conditions is completed, the file list is displayed.



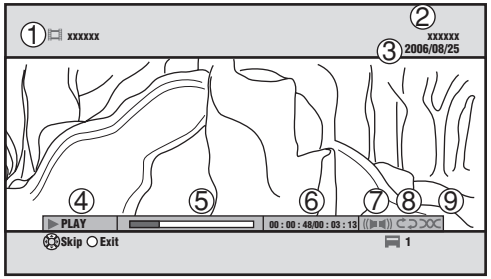
①**Video title**
②**Album name**
③**Date of creation**
④**Duration**
⑤**Server on which the file is saved**
⑥**Sort item**

Note:

With some files, an accurate time cannot be obtained for Duration.

Select the file that you want to play and press the **ENTER** or **PLAY** button.
Only the selected file is played.
If you want to play other files from the file list continuously, press the **MENU** button and select "Continuous Playback".

VIDEO PLAYBACK



①**Title**
②**Album name**
③**Date display**
④**Status display**
⑤**Progress bar**
⑥**Elapsed time/Total time**
⑦**Audio mode display**
⑧**Repeat status display**
⑨**Random status display**

- If you want to stop video playback, press the **STOP** or **EXIT** button to stop playback and return to the previous screen.
- The display changes as follows each time the **INFO** button is pressed.

No panel display → ***Player panel display***
Information panel display ←

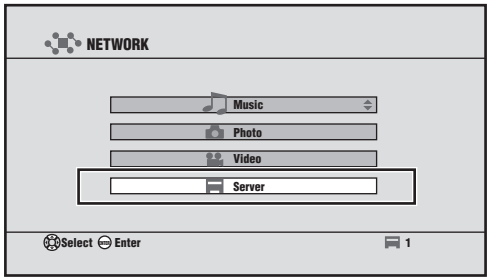
PLAYING FILES BY SPECIFYING A SERVER

SPECIFYING A SERVER

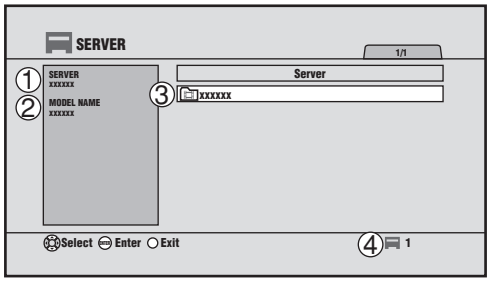
In the following cases, you can use "Server" in the top menu to play files and obtain a file list.

- When you want to specify one server from multiple connected servers and play files from this server
- When you cannot obtain a file list from the Music, Photo or Video menu on the connected server

1. Select "Server" using the cursor on the top menu and press the **ENTER** button, or press the yellow (**SERVER**) button on any screen.



2. The SERVER menu is displayed.



①Name of the server selected in ③
②Type of the server selected in ③
③Server list
④Number of servers that are currently detected

All servers from which file lists have been obtained in the past are registered on the server list.

- **White text:**
  Servers that are currently connected
- **Gray text:**
  Servers that were connected in the past but are not currently connected

3. Select a server from the server list, and press the **ENTER** button to display the file list of the selected server on the screen.

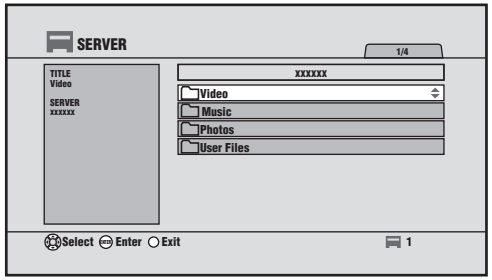
Notes:

- The unit can register a maximum of 50 servers. If the number of servers exceeds 50, delete servers that are no longer required.
- The contents of the displayed server list vary depending on the server.
- It may not be possible to play some files on the server using this unit.

When the Server Supports WakeOnLAN

If a server displayed with gray text on the server list supports WakeOnLAN, you can press the **ENTER** button to start the server and display the files.
The dialog box below is displayed while the server is starting.
Press the **ENTER** button again to abort the connection.

After the server has started, you can display the server files.



REFRESHING THE SERVER LIST

In the following cases, you can display the list correctly by refreshing the server list.

- When a newly connected server is not automatically registered on the server list
- When a server whose connection was canceled remains on the server list

1. Press the **MENU** button on the server list.

2. When you select "Refresh" and press the **ENTER** button, the unit obtains the server information from the network again and refreshes the server list.

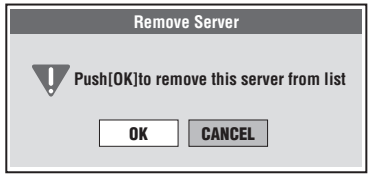
DELETING UNNECESSARY SERVERS FROM THE SERVER LIST

All servers that were recognized by the unit in the past are registered on the server list.
If the history has grown larger than is necessary or the list is full with 50 items, you can delete servers that are no longer required from the server list.

1. Select a server that is not currently connected and press the **MENU** button.

2. Select "Remove server" and press the **ENTER** button.

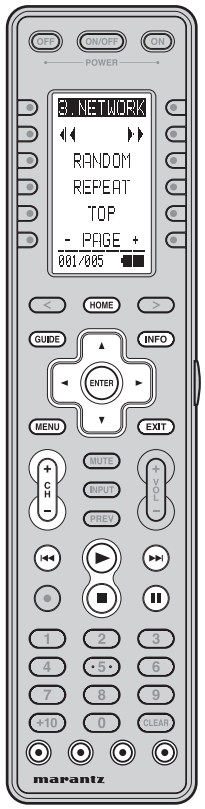
3. When the following dialog box appears, select "OK" and press the **ENTER** button.



ADVANCED OPERATIONS

REMOTE CONTROLLER OPERATIONS

RC2001



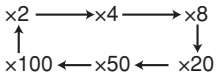
Command	File List
▲ (Remote controller, unit)	Move between items (List) Display the previous photo (Photo) Skip back 15 seconds (Video) During detailed information display, move to previous file
▼ (Remote controller, unit)	Move between items (List) Display the next photo (Photo) Skip forward 15 seconds (Video) During detailed information display, move to next file
◀ (Remote controller, unit)	Move between items (Photo list) Display the previous photo (Photo) Adjust slow playback speed (Video) During detailed information display, change the information
▶ (Remote controller, unit)	Move between items (Photo list) Display the next photo (Photo) Adjust slow playback speed (Video) During detailed information display, change the information
ENTER (Remote controller, unit)	Select/play item
GUIDE TOP (Unit)	Move to the top menu
EXIT (Remote controller, unit)	Previous screen (List) Stop
CH±	(+) Next page (–) Previous page
MENU	TOOL menu
INFO	Display the file details (List) Select the panel display (Photo, video)
▶ (PLAY)	Play Start the slideshow (Photo)
⏮ / ⏭	(⏭) Play the next file (⏮) Play the previous file
■ (STOP)	Stop
❚❚ (PAUSE)	Pause/cancel
(Blue) MUSIC	Move to MUSIC Top
(Red) PHOTO	Move to the set PHOTO screen
(Green) VIDEO	Move to VIDEO Top
(Yellow) SERVER	Move to SERVER TOP

RC2001 PROGRAMMABLE SOFT BUTTONS

Page	Command	Note
1	3.NETWORK	Select NETWORK function
	◀◀ / ▶▶	(Left) REWIND (Music, Photo) ① Turn the photo 90 degrees to the left. (Photo)
		(Right) FAST FORWARD (Music, Photo) ① Turn the photo 90 degrees to the right. (Photo)
	RANDOM	RANDOM playback ②
	REPEAT	REPEAT playback ③
	TOP	Move to the top menu
	– PAGE +	(Left) Move to the previous page
		(Right) Move to the next page
2	3.NETWORK	Select NETWORK function
	M ARTIST	Move to Music Artists
	M ALBUM	Move to Music Albums
	M GENRE	Move to Music Genres
	MUSIC ALL	Move to All Songs
	M P-LIST	Move to Music Playlists
3	3.NETWORK	Select NETWORK function
	P ALBUM	Move to Albums
	PHOTO ALL	Move to All Photos
	P P-LIST	Move to Photo Playlists
4	3.NETWORK	Select NETWORK function
	V ALBUM	Move to Albums
	V GENRE	Move to Video Genres
	VIDEO ALL	Move to All Videos
	V P-LIST	Move to Video Playlists
5	3.NETWORK	Select NETWORK function
	PLAYLIST	Register in a playlist
	BILINGUAL	Select the audio of the video that is playing
	SETTINGS	Move to SETTINGS menu
	RESTART	Restart NETWORK

① Track fast forward/rewind

The speed changes in the sequence below each time the ▶▶ (fast forward) or ◀◀ (rewind) button is pressed.



Press the **PLAY** button to return to normal playback.

Note:

The playback speed of DRM-protected files cannot be changed.

② Random playback

Press the **RANDOM** button to perform the random playback of all the files in the category.
If the **RANDOM** button is pressed during playback, the mode changes as follows.

Random off ⟷ Random on

Note:

A separate RANDOM setting is available for music, photo and video files.

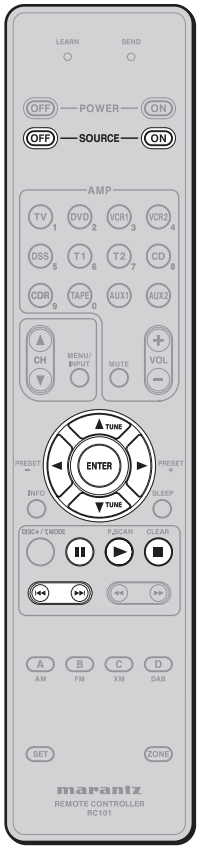
③ Repeat playback

Press the **REPEAT** button to repeat the playback of all the files in the category.
If the **REPEAT** button is pressed during playback, the mode changes as follows.

Note:

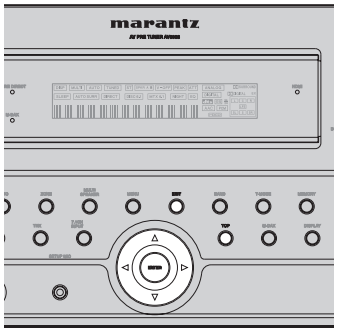
A separate REPEAT setting is available for music, photo and video files.

RC101



Command	File List
▲ (Remote controller, unit)	Move between items (List) Display the previous photo (Photo) Skip back 15 seconds (Video) During a display of detailed information, move to previous file
▼ (Remote controller, unit)	Move between items (List) Display the next photo (Photo) Skip forward 15 seconds (Video) During a display of detailed information, move to next file
◀ (Remote controller, unit)	Move between items (Photo list) Display the previous photo (Photo) Adjust slow playback speed (Video) During a display of detailed information, change the information
▶ (Remote controller, unit)	Move between items (Photo list) Display the next photo (Photo) Adjust slow playback speed (Video) During a display of detailed information, change the information
ENTER (Remote controller, unit)	Select/play item
SOURCE OFF	Previous screen (List) Stop
SOURCE ON	Change the screen resolution
▶ (PLAY)	Play Start the slideshow (Photo)
⏮ / ⏭	(⏭) Play the next file (⏮) Play the previous file
■ (STOP)	Stop
❚❚ (PAUSE)	Pause/cancel

AV8003

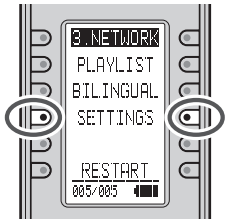


ADVANCED PHOTO FILE OPERATIONS

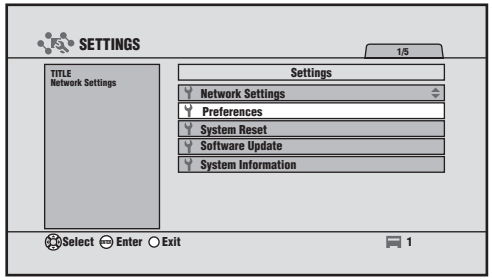
RED (PHOTO) BUTTON SETTINGS

Set the destination for when the red (**PHOTO**) button is pressed as follows.

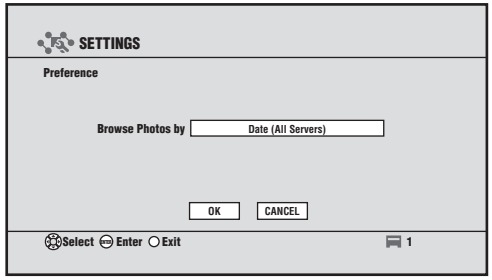
1. Press the **SETTINGS** button on the remote controller.



2. Select “Preferences” using the cursor and press the **ENTER** button.



The screen below is displayed.



Press the **ENTER** button on the “Browse Photos by” item.

- **Date (All servers):**

  Sort photos from all the connected servers by date. (Default setting)
- **Date (Selected server):**

  Select the server from which to obtain the photos and sort by date.
- **Category:**

  The same as when PHOTO is selected from the top menu.

Select the setting item using the ▲ / ▼ buttons and press the **ENTER** button again.

Press “OK” to complete the setting.

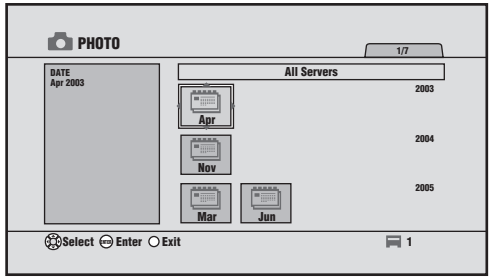
DISPLAYING PHOTOS BY DATE

When the red (**PHOTO**) button setting is “Date server”, the photos on the server are sorted by year/month/date.

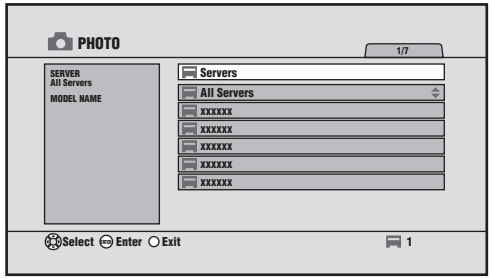
Note:

The save date of a bmp file is used as its shooting date.

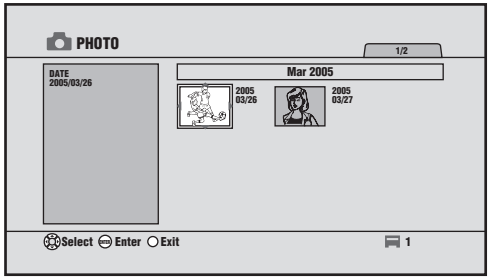
When the setting is “All servers,” the following screen is displayed and photos in all the servers are divided into groups based on year/month.



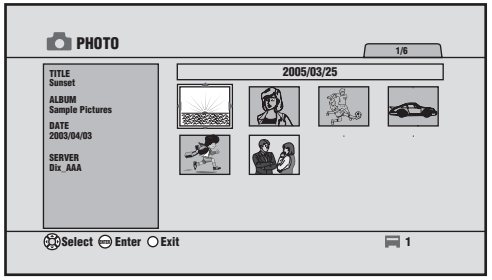
When the setting is “Selected server,” the following screen is displayed. Select the server on which the photos are saved.
After a server is selected, a year/month list is displayed.



Select a month from the year/month list to move to the month/date list.
Thumbnails are displayed in date sequence.



Select the date that you want to display and press the **ENTER** button.



A list of the photos from the selected date is displayed as thumbnails.
Select the photo that you want to display and press the **ENTER** or **PLAY** button.

- Press the **ENTER** button to display the selected photo.
- Press the **PLAY** button to start the slideshow from the selected photo.

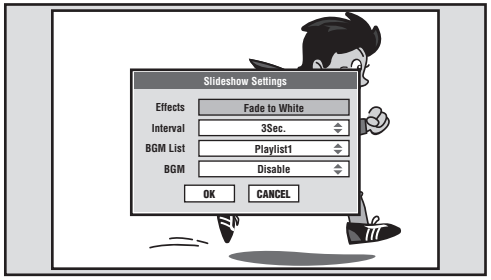
Note:

Press the **PLAY, REPEAT** or **RANDOM** button over a thumbnail on the selected date to start a slideshow of the photos in the thumbnail.

SLIDESHOW SETTINGS

You can perform settings for the slideshow.

1. Press the **MENU** button during photo display or while the photo content list is displayed.
2. Select “Slideshow Settings” on the Tool menu and press the **ENTER** button. The following window is displayed.



Effects :
Select the effects when changing photos.
- None (No effects when changing.)
- Fade To White (Fades out to white.)
- Fade To Black (Fades out to black.)
- Random (Fades out to either white or black.)

Interval :
Set the time interval at which the photos are changed.
- 3seconds
- 5seconds
- 10seconds
- 15seconds
- 30seconds
- 60seconds

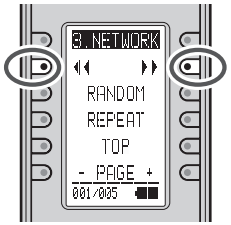
BGM List :
Select the BGM during slideshow playback from a music playlist of 1 to 5.

BGM :
Select whether or not to play BGM during slideshow playback.
- Disable (Do not play BGM.)
- Enable (Play BGM.)

3. Press “OK” to complete the setting.

PHOTO ROTATION (PHOTO)

- Press the ▶▶ button while a photo is displayed to turn it 90 degrees to the right.
- Press the ◀◀ button while a photo is displayed to turn it 90 degrees to the left.



- Press the **MENU** button, select “Turn” and press the right button.

  Select the rotation direction and press **ENTER** to turn the photo 90 degrees to the selected direction.

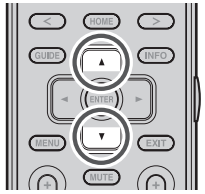
Note:

If you turn a photo during slideshow playback, the slideshow is paused after the rotation.

OPERATING VIDEO FILES

SKIP PLAY

You can skip the video playback forward or back by 15 seconds.



- Press the ▲ button during video playback to skip back by 15 seconds from that moment.
- Press the ▼ button during video playback to skip forward by 15 seconds from that moment.

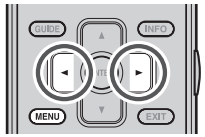
If this skipping finishes at the beginning or the end of the file, the video playback is paused.

Note:

Skip play is not possible with some video files.

SLOW PLAY

You can play the video slowly in the playback direction.



1. Press the **MENU** button during video playback.
2. Select “Slow Play” and press the **ENTER** button.
3. Press the ▶ button to make the slow playback speed faster.

   Press the ◀ button to make the slow playback speed slower.

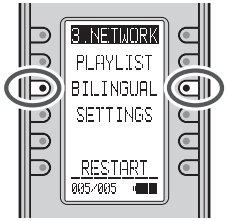
   1/16 ⟷ 1/8 ⟷ 1/4 ⟷ 1/2
4. Press the **PLAY** button or the **PAUSE** button to cancel the slow playback.

Note:

Slow play is not possible with some video files.

AUDIO SELECTION

Press the **BILINGUAL** button during video playback to change the output audio channel.



The audio changes as follows each time the **BILINGUAL** button is pressed.

L+R ⟶ L component only ⟶ R component only

Icon display on the lower right of the screen

L+R

L only

R only

L/R Selection	Audio Format
L/R selection is possible	LPCM
	MPEG-1/2 Layer-II
	MPEG-1/2 Layer-III
	WMA 2ch
	AAC LC 2ch
L/R selection is not possible	AC3
	AAC LC Multichannel
	WMA9 Professional

RESUME PLAY

When playback is resumed for a video that was stopped partway, the playback starts from the stopped location.
If a different file is played after stopping the video, resume play is not possible.

Note:

Resume play is not possible with some video files.

USING PLAYLISTS

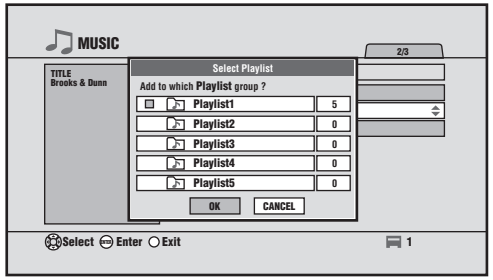
You can arrange your favorite music, photo and video files in a single group as a playlist.

- You can create five playlists each for music, photos and videos.
- You can register a maximum of 100 files in each playlist.

REGISTERING A PLAYLIST

1. Select the file or category that you want to register using the cursor and press the **PLAYLIST** button, or press the **MENU** button and select “Add Playlist” on the TOOL menu.

Alternatively, press the **PLAYLIST** button while the file that you want to register is playing, or press the **MENU** button and select “Add Playlist” on the TOOL menu.



2. Use the ▲ / ▼ buttons to select the registration destination playlist and press the **ENTER** button. The ■ mark is displayed next to the selected playlist.

3. Press “OK” to complete the registration. To cancel the registration, press “CANCEL.”

Note:

When performing the batch registration of multiple files, if the number of files exceeds 100 during the registration process, files after the 100th are not registered.

PLAYING A PLAYLIST

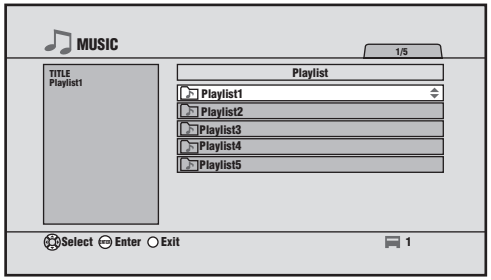
1. Select “Playlists” on the Music, Photo or Video top menu and press the **ENTER** button.

Alternatively, press the “**M P-LIST**”, “**P P-LIST**” or “**V P-LIST**” button on the remote controller.

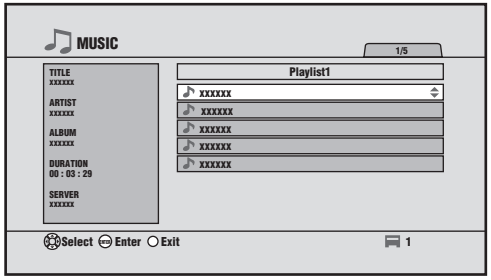
2. The playlist screen is displayed.

Select the playlist that you want to play using the ▲ / ▼ buttons and press the **ENTER** button.

Press the **PLAY** button on the selected playlist to play the files that are in the selected playlist.



3. Select the file that you want to play from the list using the ▲ / ▼ buttons and press the **ENTER** or **PLAY** button to perform continuous playback of the files in the playlist starting from the selected file.



CHANGING THE PLAYLIST SEQUENCE

You can change the playlist sequence.

1. Press the **MENU** button on the playlist screen.

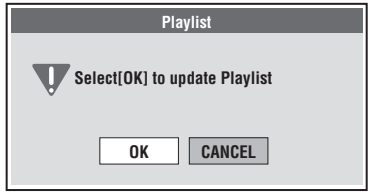
2. Select “Move” on the TOOL menu.

3. Select the file that you want to move and press the **ENTER** button.

4. Select the file destination and press the **ENTER** button.

5. Repeat steps ***3.*** and ***4.*** until you have finished the sequence change.

6. When you have finished the sequence change, press the **EXIT** button. The following dialog box is displayed.



7. Press “OK” to complete the move. To cancel the registration, press “CANCEL”.

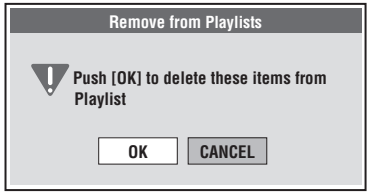
REMOVING PLAYLIST REGISTRATIONS

You can remove file registrations from the playlist if they are no longer required.

Removing Registered Files

1. Open a playlist, select the file that you want to remove from the playlist and press the **MENU** button.

2. Select “Remove from Playlists” on the TOOL menu and press the **ENTER** button. The following dialog box is displayed.



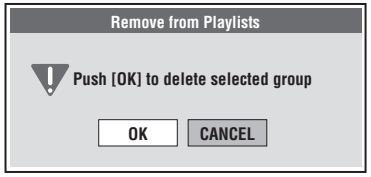
3. Press “OK” to complete the registration removal.

Removing Registered Files (All files in a playlist)

You can remove all the files that are registered in a playlist at the same time.

1. On the playlist screen, select the playlist whose file registrations you want to remove and press the **MENU** button.

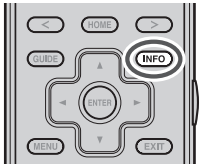
2. Select “Remove from Playlists” on the TOOL menu and press the **ENTER** button. The following dialog box is displayed.



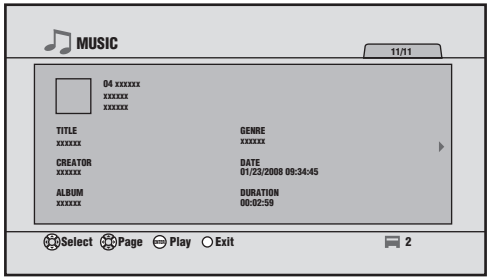
3. Press “OK” to complete the registration removal.

VIEWING DETAILED FILE INFORMATION

You can view detailed information about the files in the file list.



Select the file that you want to display and press the **INFO** button, or press the **MENU** button and then select “Detailed Information” on the TOOL menu.



- **◀ / ▶ buttons:**
  Change the page
- **▲ / ▼ buttons:**
  Change the file
- **PLAY buttons:**
  Play the file that is currently displayed
- **INFO buttons, EXIT buttons:**
  Return to the list screen

Notes:

- The displayed items vary depending on the server.
- When the server transcodes a file for playback, information such as the bit rate and resolution may be different from the actual values.

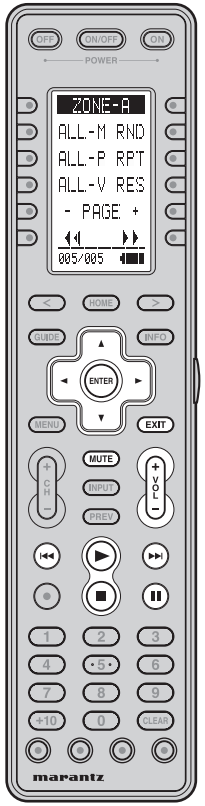
MULTI ZONE PLAYBACK

You can perform network playback in multi zones.
See the main unit user guide for the method of assigning the network to ZONE A and B.

Notes:

- In ZONE B, only audio is output.
- Only 2ch is available for audio output. Multi channel files are down mixed to 2ch.

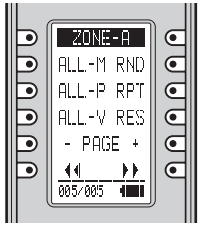
OPERATION USING RC2001



Button	File List	Music Playback Screen	Photo Display Screen	Video Playback Screen
VOLUME±	Raise the volume Lower the volume			
MUTE	Mute on/mute off			
▲ / ▼	Move between items During detailed information display, move between the previous and next files	Move between items	(▲) Display the previous photo (▼) Display the next photo	(▲) Skip back 15 seconds (▼) Skip forward 15 seconds
◀ / ▶	Move between items (Photo) During detailed information display, change the information	—	(◀) Display the previous photo (▶) Display the next photo	Adjust slow playback speed
ENTER	Select/play item	Play the track selected using the cursor	—	—
EXIT	Previous screen	Stop	Stop	Stop
▶ (PLAY)	Play	Play	Start the slideshow	Play
⏮ / ⏭	—	(⏭) Play the next track (⏮) Play the previous track (If 1 second or more has elapsed from the start of the track, play from the start of the same track.)	(⏭) Display the next photo (⏮) Display the previous photo	(⏭) During continuous playback, play the next video (⏮) During continuous playback, play the previous video (If 1 second or more has elapsed from the start of the video or only one video is selected, play from the start of the same video.)
■ (STOP)	—	Stop	Stop	Stop
❚❚ (PAUSE)	—	Pause/cancel	Pause the slideshow	Pause/cancel

<Playback in ZONE A>

1. Press the **HOME** button on the remote controller and press the < / > buttons to select the 003/004 page.
2. Press the **ZONE-A** button to set the RC2001 to the ZONE A operation mode.
3. Press the < / > buttons to select the 005/005 page. The RC2001 display is set to the zone A network operation mode.
4. Press the **PLAY** button to play the file.



ZONE-A 005/005	
ALL-M	**RND**
Move to ALL Songs.	Random playback
ALL-P	**RPT**
Move to ALL Photos.	Repeat playback
ALL-V	**RES**
Move to ALL Videos.	Change the screen resolution.
PAGE–	**PAGE+**
Move to the previous list page.	Move to the next list page.
◀◀	▶▶
Rewind. (Music, videos) Turn the photo 90 degrees to the left. (Photo)	Fast forward. (Music, videos) Turn the photo 90 degrees to the right. (Photo)

<ZONE A Screen Settings>

If you set component output 2 in ZONE A to ZONE A, you can output video from component output 2 in all resolutions.
Video can only be output from the ZONE OUT connector at a resolution of 480i/576i.

You can change the resolution of the network player screen from ZONE A.

Press the < / > buttons on the RC2001 to open the LCD's 005/005 page, and press the **RES** button.

When the **RES** button is pressed, the screen returns to the NETWORK top menu and the resolution is changed. The screen resolution changes in the following sequence each time the **RES** button is pressed.

480i/576i → 480p/576p → 720p
↑ Auto ← 1080i ←

Notes:

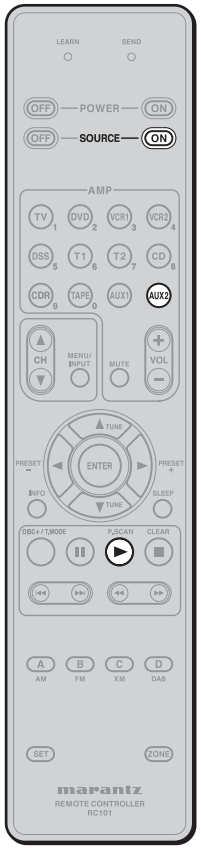
- When viewing in ZONE A, set an appropriate resolution for your monitor, other than AUTO.
  When the resolution setting is AUTO, operations in the main zone are prioritized.
- If a dialog box or the TOOL menu is displayed, the resolution cannot be changed. In such cases, first close the dialog box or menu.

<Playback in ZONE B>

1. Press the **HOME** button on the remote controller and press the < / > buttons to select the 003/004 page.
2. Press the **ZONE-B** button to set the RC2001 to ZONE B operation mode.
3. Press the < / > buttons to select the 005/005 page. The RC2001 display is set to zone B network operation mode.
4. After pressing the **All MUSIC** button, press the **PLAY** button to play all the music files in the server.

ZONE-B 005/005	
RANDOM	Random playback
REPEAT	Repeat playback
ALL MUSIC	Move to All songs.
◀◀	Rewind.
▶▶	Fast forward.

OPERATION USING RC101



<ZONE A Screen Settings>

When the **SOURCE ON** button is pressed, the screen returns to the NETWORK top menu and the resolution is changed.
The screen resolution changes in the following sequence each time the **SOURCE ON** button is pressed.

480i/576i → 480p/576p → 720p
↑ Auto ← 1080i ←

Note:

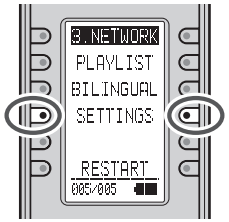
If a dialog box or the TOOL menu is displayed, the resolution cannot be changed. In such cases, first close the dialog box or menu.

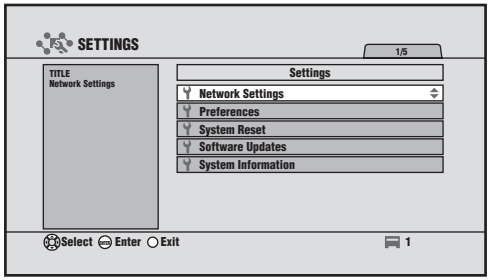
<Playback in ZONE A/B>

1. Set the RC101 to zone A or B. (See page 67 of the main unit user guide)
2. Press the **AUX2** button to set the RC101 to network operation mode.
3. Press the **AUX2** button twice in succession to change the unit ZONE A or B input to NETWORK.
4. Press the **PLAY** button to play the file.

ADVANCED SETTINGS

When you want to perform operations such as network settings or system updates, press the **SETTINGS** button in any screen to display the SETTINGS menu.





①**Network Settings :**
Perform the network settings. (See page 5)

②**Preferences :**
Select the destination for when the button is pressed. (See page 18)

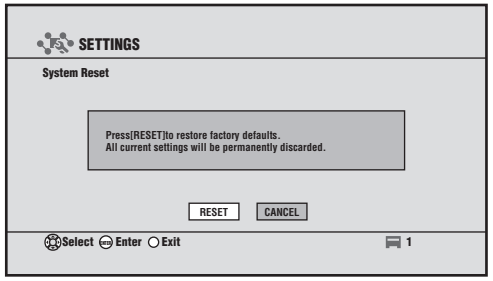
③**System Reset :**
Return to the default network player settings.

④**Software Updates :**
Connect to the Internet and update the network player firmware.

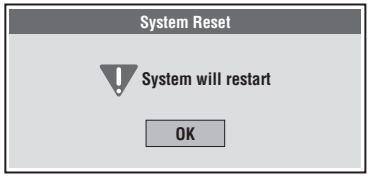
⑤**System Information :**
Display the unit's network device name, MAC address and firmware version.

NETWORK PLAYER INITIALIZATION

You can return the network player to its default settings.
Select “System Reset” on the SETTINGS menu and press the **ENTER** button.
When initialization is performed, the registered server lists and playlists are erased.



1. Select “RESET” and press the **ENTER** button.
The following dialog box is displayed.



2. Press “OK” to restart the unit and complete the initialization.

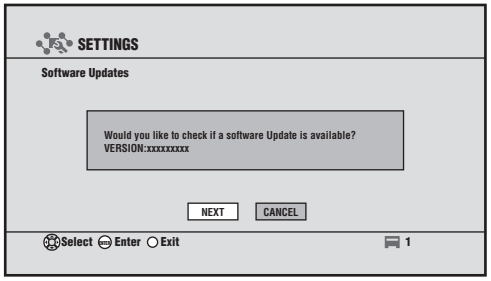
SOFTWARE UPDATES

You can connect to the Internet to update the network player firmware.

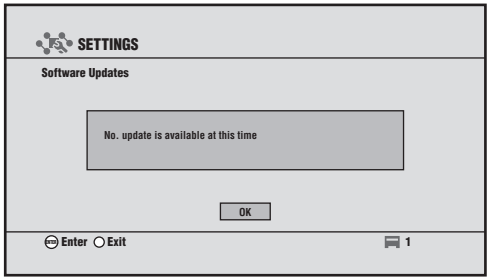
1. Select “Software Updates” on the SETTINGS menu and press the **ENTER** button.
On the screen below, select “NEXT” and press the **ENTER** button. The unit checks whether an update file is available on the Internet.

Note:

Updating via the Internet is not possible if a special setting, such as a proxy, is required for the Internet connection.

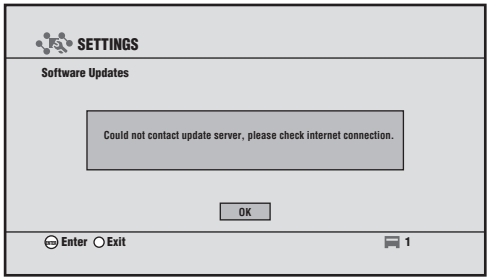


● If the current version is the latest



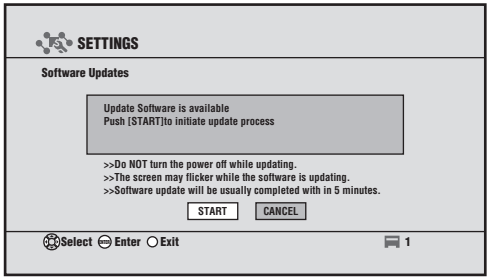
Press the **ENTER** button to return to the SETTINGS menu.

● If the server connection failed



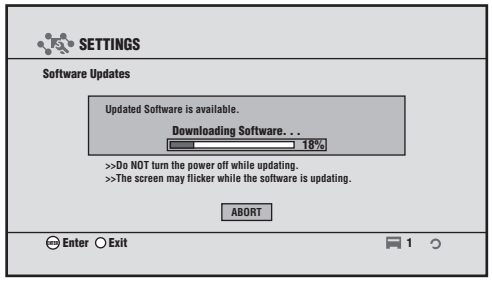
Press the **ENTER** button to return to the SETTINGS menu.

● If an update file is available



2. Select either of the following and press the **ENTER** button.
- START: Download the update file
- CANCEL: Do not download the update file

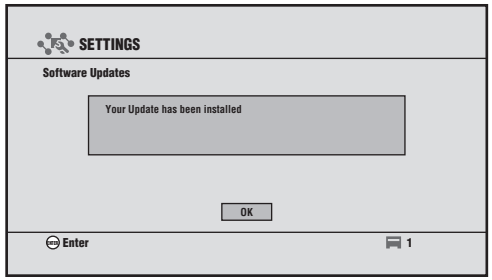
3. The following screen is displayed when the update file starts to download.



If you want to stop the download partway, press the **ENTER** or **EXIT** button.

After the download finishes successfully, writing and verification is performed for the downloaded file.

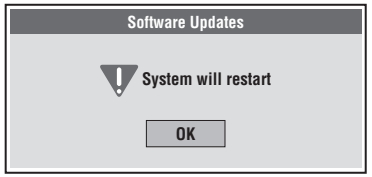
Key operations are disabled until the update is finished.



Never turn off the unit before an update is finished. It could cause a malfunction.

4. Press the **ENTER** button.

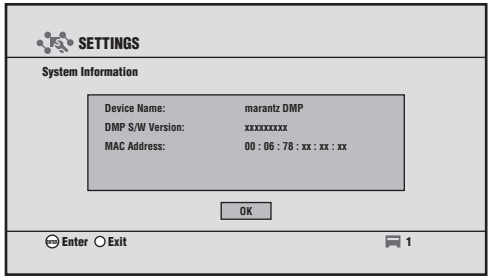
The following dialog box is displayed.



5. Press **ENTER** button to restart the network player and complete the software update.

CHECKING THE SYSTEM INFORMATION

You can display the system information for the network player.
Select “System Information” on the SETTINGS menu and press the **ENTER** button.



- **Device name :**
  Name of the unit recognized by the server
- **DMP S/W Version :**
  Version of the network player firmware
- **MAC Address :**
  This is the MAC address of the unit.

Press the **ENTER** or **EXIT** button to return to the SETTINGS menu screen.

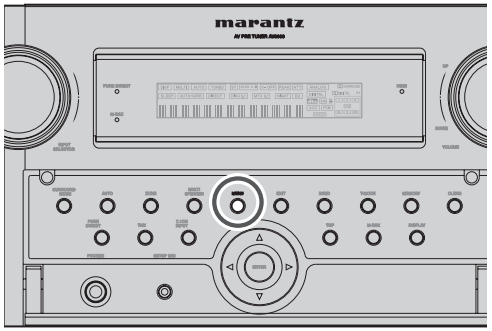
SETTING THE NETWORK SCREEN

You can set the output for the unit's NETWORK screen.

1. Press the **GUIDE** button on the remote controller to move to the top menu.

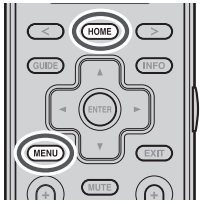
2. **<AV8003>**

Press the **MENU** button on the unit to display the OSD menu.

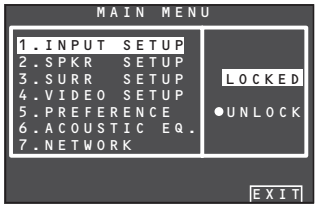


<RC2001>

After pressing the **HOME** button on the remote controller, press the **MENU** button to display the OSD menu.



3. The following screen is displayed on the monitor that is connected to the unit.



Press the ▲ / ▼ buttons to select 7. NETWORK and press the **ENTER** button.

4. The NETWORK SETUP screen opens.

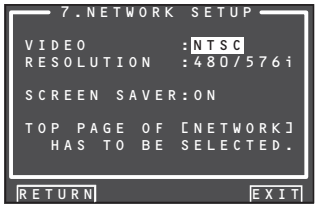
Select the item that you want to set using the ▲ / ▼ buttons, and change the selection using the ◄ / ► buttons.

Note:

Settings cannot be changed if the top menu of the NETWORK screen is not displayed.

In such cases, a warning message is displayed on the bottom of the screen. Return the NETWORK screen to the top menu.

Close the OSD menu and press the GUIDE button to return the NETWORK screen to the top menu.



VIDEO

The color system of this unit is NTSC.

RESOLUTION

Use the ◄ / ► cursor buttons to select video signal resolution (pixel count) on the NETWORK PLAYER from the following options.
"480/576i" ↔ "480/576p" ↔ "720p" ↔ "1080i" ↔ "AUTO" ↔ "480/576i"

- **AUTO (default) :**
  Sets an appropriate resolution for a television that is connected using HDMI.
  (If the unit is not connected to the television using HDMI, the output is 480i/576i)
  (If connected by converting to DVI, the output is 480p/576p)
- **480/576i :**
  The output is 480i/576i.
- **480/576p :**
  The output is 480p/576p.
- **720p :**
  The output is 720p.
- **1080i :**
  The output is 1080i.

Notes:

- If a monitor connected using HDMI is changed during the AUTO setting, the screen returns automatically to the top menu and the resolution is changed to one that is appropriate for the monitor. If a dialog box or the TOOL menu is displayed at this time, the resolution is changed after the dialog box or TOOL menu is closed.
- Set 480i/576i if you are using VIDEO/S-VIDEO output.
- If you are using a monitor connected using HDMI, and the signal is being input from the network, the video signal is output in the resolution that was set in RESOLUTION.

SCREEN SAVER

Use the ◄ / ► cursor buttons to select "ON" or "OFF" for the screen saver from the video signal that is output from the unit.

- **ON (default) :**
  If no operation is made for 10 minutes on the NETWORK screen or SETTING screen, the screen saver is activated on the monitor. (The screen goes dark)
- **OFF :**
  The screen saver is not activated even if no operation is made for 10 minutes.

Note:

The screen saver is not activated during photo display or video playback.

PLAYABLE FILES

MUSIC FILES

MUSIC	Codec	Extension	Restrictions	
MP3	MPEG-1/2 Layer-Ⅲ	mp3	Sampling frequency	Max. 48 kHz
			Number of channels	Max. 2ch
			Bit rate VBR/CBR	Max. 320 kbps
LPCM	LPCM	–	Sampling frequency	Min. 32 kHz Max. 64 kHz
			Quantization bit rate	Max. 16 bit
			Number of channels	Max. 2ch
WAV	PCM	wav	Sampling frequency	Min. 32 kHz Max. 64 kHz
			Quantization bit rate	Max. 16 bit
			Number of channels	Max. 2ch
WMA	WMA8	asf wma	Sampling frequency	Max. 48 kHz
			Number of channels	Max. 2ch
			Bit rate	Max. 320 kbps
	WMA9 WMA9 Professional	asf wma	Sampling frequency	Max. 48 kHz
			Number of channels	Max. 6ch**
			Bit rate VBR/CBR	Max. 768 kbps
AAC	MPEG-2/4 AAC (AAC LC)	m4a	Sampling frequency	Max. 48 kHz
			Number of channels	Max. 5.1ch**
			Bit rate VBR/CBR	Max. 640 kbps

* WMA Lossless is not supported.
** In the case of multi channels, WMA and AAC are down mixed to 2ch.

PHOTO FILES

PHOTO	Extension	Resolution
JPEG	jpg jpeg	✻ Max. 67108864 pixels (Example: 8192 × 8192)
BMP	bmp	No restrictions

✻
When the following conditions are satisfied.
– Color space is YCbCr
– Not in progressive mode
– The format is YUV420, YUV422 or YUV444

✻ For JPEG photos that do not satisfy the conditions above, the maximum is 983040 pixels (example: 1280 × 768).

VIDEO FILES

VIDEO	Extension	Codec		Restrictions	
MPEG PS	mpg mpeg mpe M2p	Video section	MPEG-1 MPEG-2	Profile level	Up to MP@HL
				Bit rate VBR/CBR	Max. 15 Mbps
		Audio section	MPEG-1/2 Layer-Ⅱ	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 2ch
				Bit rate VBR/CBR	Max. 384 kbps
			LPCM	Sampling frequency	Max. 48 kHz 16 bit
				Quantization bit rate	Max. 16 bit
				Number of channels	Max. 2ch
			AC3	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 5.1ch
				Bit rate	Max. 640 kbps
MPEG-2 TS/TTS	–	Video section	MPEG-2	Profile level	Up to MP@HL
				Bit rate VBR/CBR	Max. 23.1 Mbps
		Audio section	MPEG-1/2 Layer-Ⅱ	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 2ch
				Bit rate VBR/CBR	Max. 448 kbps
			AC3	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 5.1ch
				Bit rate	Max. 448 kbps
			MPEG-2/4 AAC LC	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 5.1ch
				Bit rate	Max. 384 kbps
Windows Media Video	asf wmv	Video section	WMV9	Profile level	No DRM, up to MP@HL With DRM, up to MP@ML
				Bit rate VBR/CBR	No DRM, max. 10 Mbps With DRM, max. 4 Mbps
		Audio section	WMA8	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 2ch
				Bit rate	Max. 320 kbps
			WMA9 WMA9 Professional	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 6ch
				Bit rate VBR/CBR	Max. 768 kbps
MPEG-4	mp4	Video section	MPEG-4	Profile level	ASP
				Bit rate VBR/CBR	Max. 5 Mbps
		Audio section	MPEG-4 AAC LC	Sampling frequency	Max. 48 kHz
				Number of channels	Max. 5.1ch
				Bit rate	Max. 448 kbps

Notes:

- This unit does not support MPEG4-AVC, AVCHD.
- Depending on the encoding system, playback may not be possible even if the file is within the above specifications.
- Depending on the server, it may not be possible to play a file that is supported by the unit.
- It may be possible to play files that are not supported by this unit by converting them to a supported format.
  For details, see your server's user guide.
- License authentication must be performed in advance on Windows Media Player 11 to play files with copyright protection (Windows Media DRM).
- This unit supports DTCP-IP. This unit can play video recorded on a home HDD recorder that is connected to the network.
  See your recorder's user guide for the playable video types.
- Surround playback is possible for videos with Dolby AC3 multichannel sound.
- In the case of multi-channels, WMA and AAC are down-mixed to 2ch.

TROUBLESHOOTING

If you experience any problems, check the following before calling for service:

1. Are the connections made properly?
2. Are you operating the unit properly by following the user's guide?

If the unit does not operate properly, check the items shown in the following table.
If the problem cannot be resolved using the actions listed in the following table, the internal circuitry may be malfunctioning. Unplug the power cable immediately and contact your dealer, nearest Marantz authorized dealer, or the Marantz Service Center in your country.

Symptom	Cause	Action
Cannot connect to the network	• The LAN cable is not connected • The IP address is incorrect	Correct the network connections.
	• The connection has been blocked by the firewall	Allow communication with the unit.
Cannot find the server	The server is not running	Start the server.
	The server has not authenticated the unit	Authenticate the unit on the server side. (See page 6)
	The unit does not recognize the server	Obtain the server list again. (See page 15)
	The number of registrations on the server list has reached 50	Delete servers that you no longer require from the list. (See page 15)
Takes time to play or change to the next file	• The file size is large • DRM-protected content is being played	This is not a malfunction.
Takes time for the file list to display	There is a large number of files in the list	During random play, the larger the number of files in the server, the longer it takes to display the file list. Reduce the number of connected servers (to about four) or reduce the number of files registered on the server (to about 5,000).
Cannot obtain the file list	The server is creating the file list	It may take some time for the server to create the file list. If that is the case, wait until the list creation has finished.
	• The number of files that can be registered by the server has been exceeded • Characters that are not supported by the server are used in areas such as the file name	Limit the number of files and file formats to the range that can be registered by the server. For details, see the server's user guide.
Cannot play even though the file format is supported for playback	The server does not support this file format	Only files whose formats are supported by both the unit and the server can be played. See the server's user guide.
Playback breaks up	• There is not enough network bandwidth • The file bit rate is too high	Communication in a network may become congested. Stop the communication of the other devices, or redesign your network environment. If you use wireless communication, then the required bandwidth is larger than that required for the actual communication.
Cannot play DRM-protected files	The server does not support DRM	Connect to a server that does support DRM.
	The server has not obtained the DRM license	Obtain the DRM license on the server side in advance.
The network player does not respond	• There is a large number of files in the list and processing takes time • Multiple servers are starting or updating information	Wait until the process finishes.
	The network player no longer responds to operations	Press the **RESTART** button on the remote controller to restart the network player.

OTHERS

NETWORK PLAYER NOTIFICATIONS

A popup message or dialog box may appear from the network player to give notification about an operation. In such cases, refer to the following.

POPUP MESSAGES

These messages disappear a few seconds after they are displayed.

Message	Action
Browsing authorization denied	Windows Media Player canceled the unit's authentication.
Invalid Operation	An invalid operation was performed.
Preparing to Playback	It takes 4 or more seconds from the key input to the start of playback.
Can not resume playback	Resume play was attempted on a server that does not support resume. After the message is displayed, playback starts from the beginning.
No media Contents	There is nothing within the hierarchy
Unable to retrieve the list	Failed to obtain the list.
Restarting	Restarting is in progress.

DIALOG BOX MESSAGE

Dialog boxes are closed by selecting “OK” or “ABORT,” and depending on the case, the screen may return to the top menu or the previous screen.

Dialog Box Title	Message	Status
Starting Server	Establishing Server Connection...	The server is starting.
Starting Server	Failed to connect to server	The server that was starting did not start after 5 minutes.
Starting Server	Can not connect to server	Failed to start the server with WakeOnLAN.
Authorization Error	Not authorized to browse this server	An unauthenticated server was selected.
Retrieving List	Unable to retrieve the list	While browsing a server, communication with all servers or the target server was lost.
		Could not obtain information even though the server was browsed.
Detailed Information	Can not find the requested information	Attempted to display detailed information from the list, but could not obtain the related information.
Playback Error	Failed to play media content	Playback of the playing content could not proceed, or could not play at all after moving to the playback screen.
List Update	Updating the List	The server playback list was updated.
Playback Error	No media Contents under one hierarchy	There is no playable content in the hierarchy.
Playback Error	Unsupported media type	Content in an unsupported format was played
Authorization Error	Verify authorization of selected media on server	DTCP-IP authentication failed
Authorization Error	Verify that your network equipment, such as routers and hubs, are properly setup.	DTCP-IP authentication failed
Authorization Error	Copyright information of this file may be invalid.	DTCP-IP authentication failed
DRM Error	DRM denied authorization to selected media	WM-DRM authentication failed
DRM Network Error	Verify that your network equipment, such as routers and hubs, are properly setup.	WM-DRM authentication failed
DRM Connection Limit	Number of devices connected to this server has reached the authorized limit.	WM-DRM authentication failed
DRM Error	The media license is invalid. Revalidate this license on the server.	WM-DRM authentication failed
Network settings	Invalid Entry	When network values were entered, the entered values were invalid
Network settings	System will restart to apply network changes	The system will be restarted to apply the settings.
System Reset	System will restart	The system will be restarted after resetting the settings.
Software Updates	System will restart	The system will be restarted after performing the system setup.
Select Playlist	Your Playlist is full	The number of playlist registrations has already reached 100.
Select Playlist	Could not add some items _ Playlist full	Some content could not be registered because the number of playlist registrations has reached the limit. (When registering playlists with specified categories)

GLOSSARY

Default Gateway:

This device is the entry and exit point between an internal network and an external network (Internet, etc.).

DHCP:

An abbreviation of Dynamic Host Configuration Protocol. This function assigns IP addresses automatically to network devices.

DLNA:

An abbreviation of Digital Living Network Alliance. An industry group that was established to decide specifications for the mutual connection of audio visual devices and computers in a home network and the mutual utilization of music, photo and video data. This unit is based on DLNA Home Networked Device Interoperability Guidelines v1.0.

DNS:

An abbreviation of Domain Name System. A system that matches host names on the Internet to IP addresses.

DTCP-IP:

This system transmits content in a copyright protected-status on an IP network such as a home LAN. When devices that support DTCP-IP are connected together, copyright-protected files can be transmitted over a network and played.

IP Address:

An identification number that is assigned to each network device.

LAN:

An abbreviation of Local Area Network. A wired or wireless network that connects devices together.

MAC Address:

A unique identification number for network devices such as LAN cards.

NAS:

An abbreviation of Network Attached Storage. A single-function server that integrates elements such as a hard disk, network interface and OS.

Subnet Mask:

A 32-bit value that defines which bits in an IP address are reserved for a network address for identifying the network.

Windows Media Player 11:

Media playback and sharing software that can be downloaded from the Microsoft Corporation website. You can use this software if your computer's operating system is Windows Vista or Windows XP SP2.

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Windows Media DRM

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TECHNICAL INFORMATION

License information for the software used in the unit

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After you purchase this product, you may procure, modify or distribute the source code of the GPL/LGPL software that is used in the product.

If you contact the Marantz Support Center, we will provide you with a CD-ROM of the source code that is used, charging only the actual expenses involved. However, note that we make no guarantees concerning the source code. Please also understand that we do not offer support for the contents of the source code.

End user license agreements for the software used in the unit

Software	Reference
Linux uCLinux busybox ccahe binutils gcc-lib ext2root libiconv elf2flt GDB genext2fs genromfs mtd madwifi	Exhibit A
uClibc iconv	Exhibit B
expat	Exhibit C
FreeType	Exhibit D
libjpeg	Exhibit E
libpng	Exhibit F
Zlib	Exhibit G
Libtiff	Exhibit H
libtremor	Exhibit I
STLport	Exhibit J

Exhibit A

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```
printf("%s",png_get_copyright(NULL));
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May 15, 2007

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